

PATENT ABSTRACTS OF JAPAN

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(43)Date of publication of application : **18.06.1999**

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H01J 9/02

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(21)Application number : **09-327750**

(71)Applicant : **MATSUSHITA ELECTRIC IND
CO LTD**

(22)Date of filing : **28.11.1997**

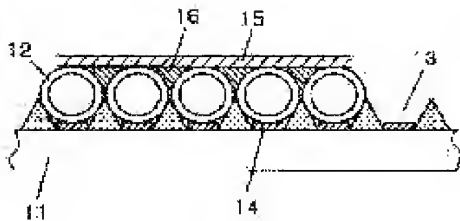
(72)Inventor : **AOKI MASAKI
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NAGAO NOBUAKI**

(54) IMAGE DISPLAY DEVICE AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce the weight of an image display device, and to improve the luminance thereof.

SOLUTION: A device has hollow and thin tubes 12 having phosphor and filled with the discharge gas and a stripe groove 13 previously provided on a surface of a board 11, and the hollow and thin tubes 12 are held on the grooves 13 by a holding member such as a resin 16 on a display electrode (address electrode) 14 provided in a bottom of the grooves 13, and a discharge electrode 15 is provided on the surface of the hollow thin tubes 12. Since narrow and light hollow pipe-like light emitting tubes are used in a front surface side of a panel and a plastic board is used in a back surface side thereof, weight of an image forming device is reduced, and luminance thereof is improved.



LEGAL STATUS

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PATENT ABSTRACTS OF JAPAN

(11)Publication number : **51-150272**

(43)Date of publication of application : **23.12.1976**

(51)Int.Cl.

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G09F 13/26

(21)Application number : **50-092898**

(71)Applicant : **SONY CORP**

(22)Date of filing : **30.07.1975**

(72)Inventor : **AMANO YOSHIFUMI**

(54) INDICATOR

(57)Abstract:

PURPOSE: To provide an indicator easy to manufacture and free from deviated configuration of discharge light emission units (minute discharge bulbs) by adopting a means of locating the minute discharge bulbs individually.

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